

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/541,078  
Source: PCT  
Date Processed by STIC: 03/14/2006

***ENTERED***



PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/541,078

DATE: 03/14/2006

TIME: 11:02:51

Input Set : E:\SEQLIST.TXT  
 Output Set: N:\CRF4\03142006\J541078.raw

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4 <110> APPLICANT: MIRANDA, LESLIE PHILLIP
5      KENT, STEPHEN B. H.
7 <120> TITLE OF INVENTION: WATER-SOLUBLE THIOESTER AND SELENOESTER
8      COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME
11 <130> FILE REFERENCE: GRFN-044
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/541,078
C--> 13 <141> CURRENT FILING DATE: 2005-06-29
13 <150> PRIOR APPLICATION NUMBER: 60/437,285
14 <151> PRIOR FILING DATE: 2002-12-30
16 <160> NUMBER OF SEQ ID NOS: 4
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 56
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: GRFN-1712 peptide
28 <220> FEATURE:
29 <221> NAME/KEY: VARIANT
30 <222> LOCATION: (1)...(1)
31 <223> OTHER INFORMATION: Cys is Acm protected
33 <220> FEATURE:
34 <221> NAME/KEY: VARIANT
35 <222> LOCATION: (56)...(56)
36 <223> OTHER INFORMATION: Trp is bound to a thioester moiety
38 <400> SEQUENCE: 1
39 Cys Ser Leu Asn Glu Lys Ile Thr Val Pro Asp Thr Lys Val Asn Phe
40   1           5           10          15
41 Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp
42     20          25          30
43 Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu
44     35          40          45
45 Leu Val Lys Ser Ser Gln Pro Trp
46     50          55
49 <210> SEQ ID NO: 2
50 <211> LENGTH: 56
51 <212> TYPE: PRT
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: GRFN 1712-PLP3 peptide
57 <220> FEATURE:
58 <221> NAME/KEY: VARIANT
59 <222> LOCATION: (1)...(1)

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60 <223> OTHER INFORMATION: Cys is Acm protected  
62 <220> FEATURE:  
63 <221> NAME/KEY: VARIANT  
64 <222> LOCATION: (56)...(56)  
65 <223> OTHER INFORMATION: Trp is bound to a thioester-PLP3-L moiety  
67 <400> SEQUENCE: 2  
68 Cys Ser Leu Asn Glu Lys Ile Thr Val Pro Asp Thr Lys Val Asn Phe  
69 1 5 10 15  
70 Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp  
71 20 25 30  
72 Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu  
73 35 40 45  
74 Leu Val Lys Ser Ser Gln Pro Trp  
75 50 55  
78 <210> SEQ ID NO: 3  
79 <211> LENGTH: 51  
80 <212> TYPE: PRT  
81 <213> ORGANISM: Artificial Sequence  
83 <220> FEATURE:  
84 <223> OTHER INFORMATION: GRFN 1852 peptide  
86 <220> FEATURE:  
87 <221> NAME/KEY: VARIANT  
88 <222> LOCATION: (1)...(1)  
89 <223> OTHER INFORMATION: Cys is Acm protected  
91 <220> FEATURE:  
92 <221> NAME/KEY: VARIANT  
93 <222> LOCATION: (51)...(51)  
94 <223> OTHER INFORMATION: Leu is bound to a thioester moiety  
96 <400> SEQUENCE: 3  
97 Cys Leu Ser Gln Leu His Ser Gly Leu Phe Leu Tyr Gln Gly Leu Leu  
98 1 5 10 15  
99 Gln Ala Leu Glu Gly Ile Ser Pro Glu Leu Gly Pro Thr Leu Asp Thr  
100 20 25 30  
101 Leu Gln Leu Asp Val Ala Asp Phe Ala Thr Thr Ile Trp Gln Gln Met  
102 35 40 45  
103 Glu Glu Leu  
104 50  
107 <210> SEQ ID NO: 4  
108 <211> LENGTH: 51  
109 <212> TYPE: PRT  
110 <213> ORGANISM: Artificial Sequence  
112 <220> FEATURE:  
113 <223> OTHER INFORMATION: GRFN 1852-PLP3 peptide  
115 <220> FEATURE:  
116 <221> NAME/KEY: VARIANT  
117 <222> LOCATION: (1)...(1)  
118 <223> OTHER INFORMATION: Cys is Acm protected  
120 <220> FEATURE:  
121 <221> NAME/KEY: VARIANT

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122 <222> LOCATION: (51)...(51)  
123 <223> OTHER INFORMATION: Leu is bound to a thioester-PLP3-Leu moiety  
125 <400> SEQUENCE: 4  
126 Cys Leu Ser Gln Leu His Ser Gly Leu Phe Leu Tyr Gln Gly Leu Leu  
127 1 5 10 15  
128 Gln Ala Leu Glu Gly Ile Ser Pro Glu Leu Gly Pro Thr Leu Asp Thr  
129 20 25 30  
130 Leu Gln Leu Asp Val Ala Asp Phe Ala Thr Thr Ile Trp Gln Gln Met  
131 35 40 45  
132 Glu Glu Leu  
133 50

**VERIFICATION SUMMARY**

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DATE: 03/14/2006

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Input Set : E:\SEQLIST.TXT

Output Set: N:\CRF4\03142006\J541078.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date